

DIMENSIONS AND ESTIMATE OF QUANTITIES

SIZE ①		PIPE		Z ①	CONCRETE CU. YDS.		④ REINFORCEMENT												LBS.	⑤	
							BAR a		BAR b		BAR c		BAR d		BAR e		BAR f				
X	Y	SIZE	LOCATION		②	③	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.	QTY.	LIN. FT.			
FOR CIRCULAR PIPE																					
4'-0"		30"	X OR Y	5'-3"	3.7		7			6'-4"	36	4'-1"	17		16	4'-4"	0	—	406	74	
		36"		5'-9"	3.9							4'-7"	19		18						
4'-3"	4'-0"	42"	X	6'-4"	4.3	0.5	8	6'-5"	7	6'-7"	38	5'-2"	23	4'-6"	20	4'-7"	20	0'-3"	515	78	
4'-10"		48"		6'-10"	4.9					7'-2"	40	5'-8"	27		22	5'-2"		0'-10"	612	81	
5'-5"		54"		7'-5"	5.6					7'-9"	42	6'-3"	31		24	5'-9"		1'-5"	710	84	
6'-0"		60"		7'-11"	6.3					8'-3"	44	6'-9"	35		26	6'-3"		2'-0"	813	91	
6'-7"		66"		8'-6"	7.0					8'-10"	46	7'-4"	39		28	6'-10"		2'-7"	927	95	
7'-2"		72"		9'-0"	7.8					9'-5"	48	7'-10"	41		30	7'-5"		3'-2"	1025	100	
FOR ELLIPTICAL PIPE																					
4'-0"	4'-0"	24"x38"	X OR Y	4'-9"	3.5	0.5	7	6'-5"	7	6'-4"	36	3'-7"	15	4'-6"	14	4'-4"	0	—	367	74	
4'-6"		29"x45"		5'-3"	4.0		8			6'-10"	38	4'-1"	21		16	4'-10"		0'-7"	464	79	
5'-3"		34"x53"		5'-8"	4.6		9			7'-7"	40	4'-6"	25		18	5'-7"		1'-4"	554	84	
5'-11"		38"x60"		6'-1"	5.2		10			8'-3"	44	4'-11"	29		20	6'-3"		2'-0"	661	91	
6'-8"		43"x68"		6'-6"	5.9		11			9'-0"	46	5'-4"	33		22	7'-0"		2'-9"	767	96	
7'-5"		48"x76"		7'-0"	6.7		12			9'-9"	50	5'-10"	39		24	7'-9"		3'-6"	906	103	
8'-1"		53"x83"		7'-5"	7.4					10'-5"	52	6'-3"	43		26	8'-5"		4'-2"	1013	108	
8'-10"		58"x91"		7'-11"	8.2					11'-2"	56	6'-9"	49		28	9'-2"		4'-11"	1105	115	

~ NOTES ~

- ① SEE CUR. STD. DWG. RDM-010 FOR LOCATION OF "X", "Y" AND "Z" DIMENSIONS.
- ② CONCRETE REQUIRED FOR ONE MANHOLE CHAMBER. NO DEDUCTIONS FOR PIPE HAVE BEEN MADE.
- ③ CU. YDS. PER FT. INCREASE IN "Z".
- ④ ALL REINFORCEMENT SHALL BE NO. 5 BARS. 4 - g BARS 1'-9", REQUIRED IN TOP SLAB.
- ⑤ LBS. PER FT. INCREASE IN "Z".

**CONCRETE DISPLACED
BY ONE CONCRETE PIPE**

SIZE		CONC. CU. YDS.
CIR.	ELLIP.	
30"	24"x38"	0.2
36"	29"x45"	0.3
42"	34"x53"	0.4
48"	38"x60"	0.5
54"	43"x68"	0.6
60"	48"x76"	0.7
66"	—	0.8
—	53"x83"	0.9
72"	58"x91"	1.0

USE WITH CUR. STD. DWGS.
RDM-010, RDM-011, RDM-012

KENTUCKY DEPARTMENT OF HIGHWAYS	
MANHOLE TYPE C (TABLE OF QUANTITIES)	
STANDARD DRAWING NO. RDM-013-04	
SUBMITTED <i>William S. Gullett</i>	DATE 12-01-15
<small>DIRECTOR, DIVISION OF DESIGN</small>	
APPROVED <i>[Signature]</i>	DATE 12-01-15
<small>STATE HIGHWAY ENGINEER</small>	